

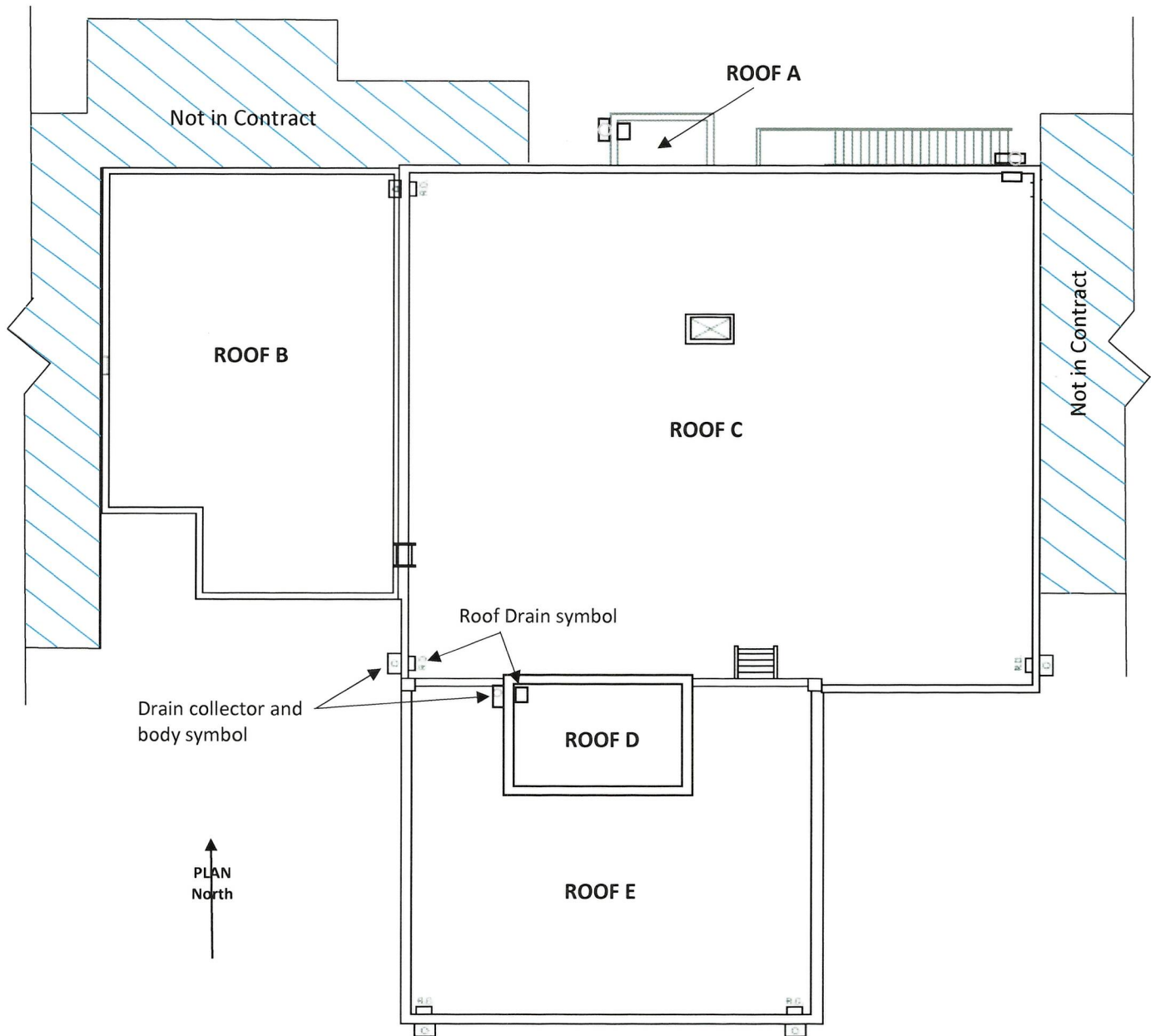
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STATEMENT OF WORK
PSA AND LES SUPPORT OFFICE BUILDINGS
ROOF REPLACEMENTS

August 12, 2016

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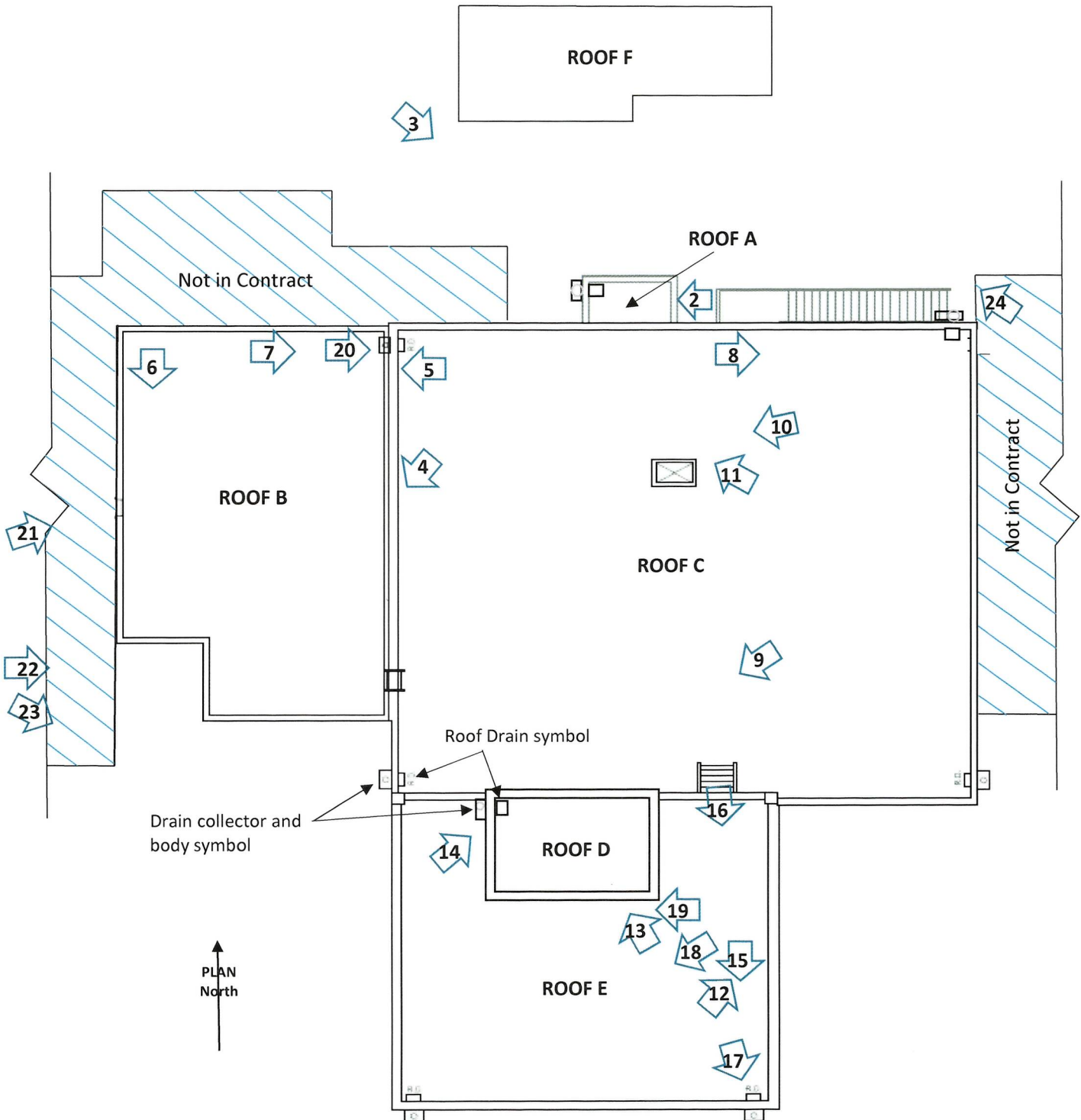
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Existing Roofing Systems

<u>Location</u>	<u>Roof</u>	<u>General Description of Existing Roofing Systems</u>
PSA Building	A	Complete Built Up Roofing (BUR) system.
	B	Complete EPDM Roof system, with portions of TPO, and insulation.
	C	Built up waterproofing system with: stone cover ballast; 3 course waterproofing membrane with reinforcing fabric; 2 inch polyurethane insulation; and deck waterproofing with cement paste.
	D	Same as Roof A.
	E	Same as Roof C.
LES Support Office Building (not shown, above)	F	Polyurethane based waterproofing coating that is reinforced with fabric.

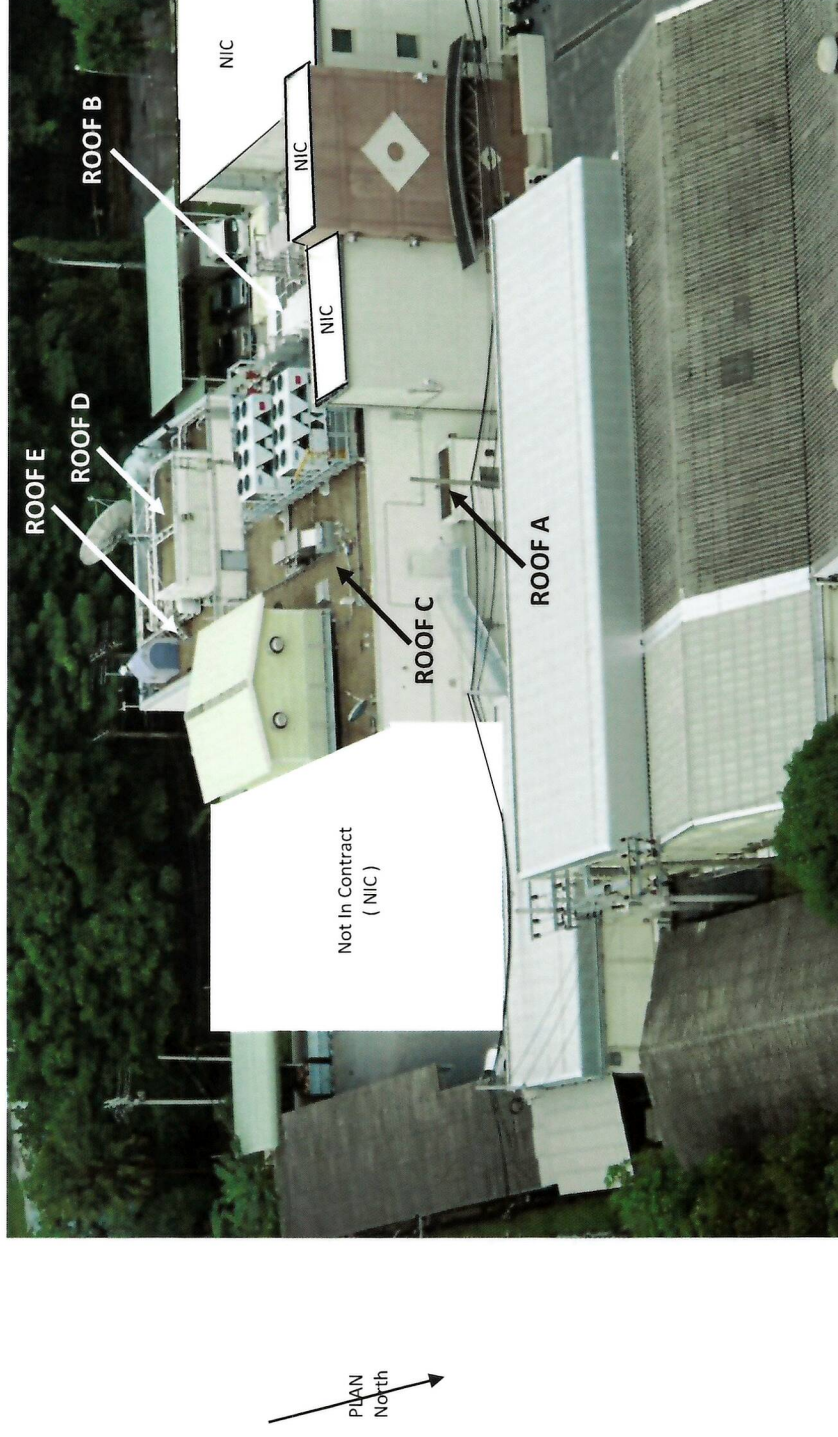
Photo Locations

1

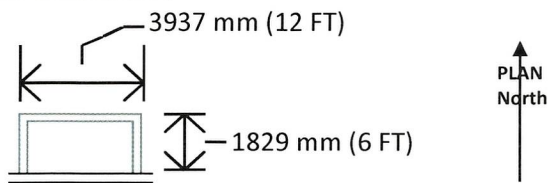


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Aerial Photo of Roofs A, B, C, D, E:



1. Locations of Roofs A, B, C, D, and E.

Roof A Layout:

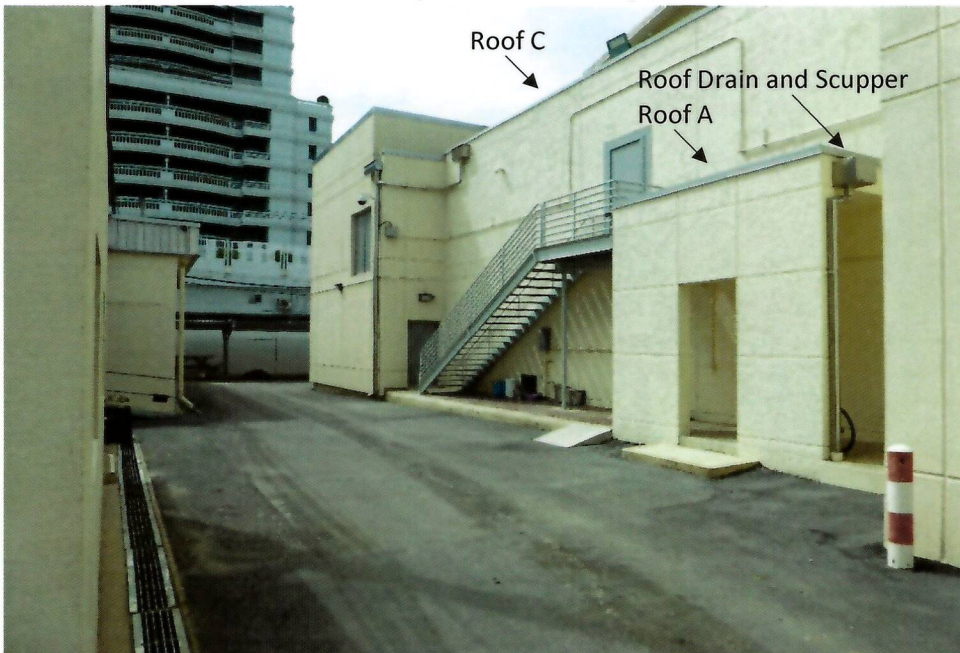
NOTE: All dimensions are approximate and must be verified in the field.

Existing roofing system: (approximately 72 SF)

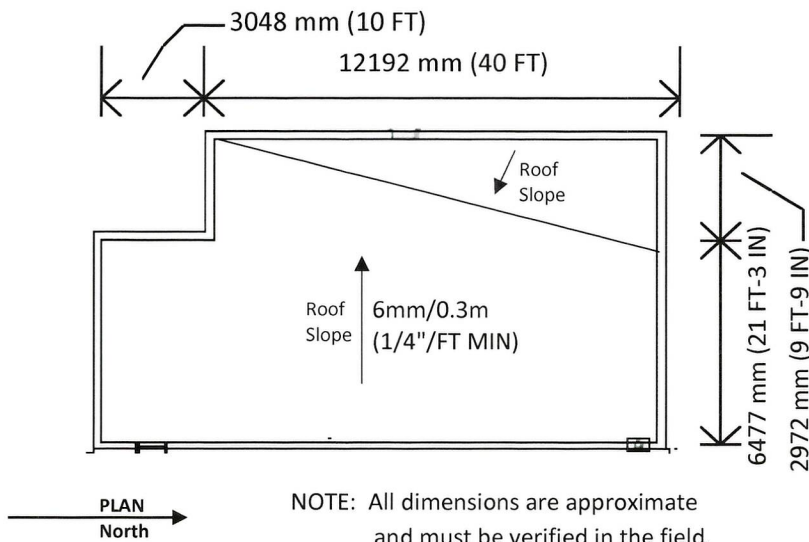
Roof Type: Built Up Roofing - original 1986
Layers: Stone and asphalt - Stone cover - Four ply built up membrane
Insulation: Unknown
Deck: Concrete
Only penetration is a roof drain and scupper.

Roof A Photos:

2. Looking west at Roof A from separate stair landing (to the east).



3. Northwest of Roof A at ground level, looking southeast.

Roof B Layout:**Existing roofing system*:** (approx. 1450 SF)

Roof Type: White EPDM - original 2003

- Fully adhered

Insulation: 3 IN Polysiocyanurate

- fastened to deck

Deck: Metal

To the west @ the Roof Slope is a roof over added in 2008 that consists of:

Roof Type: TPO - single ply membrane (Firestone)

Insulation: Polyisocyanurate

- tapered average 3 IN +/-

Deck: Metal

* (See Roof B CROSS SECTIONS from as-built drawings: on next page for add'l details .)**Roof B Photos:**

4. Looking @ southern end of Roof B (from Roof C).



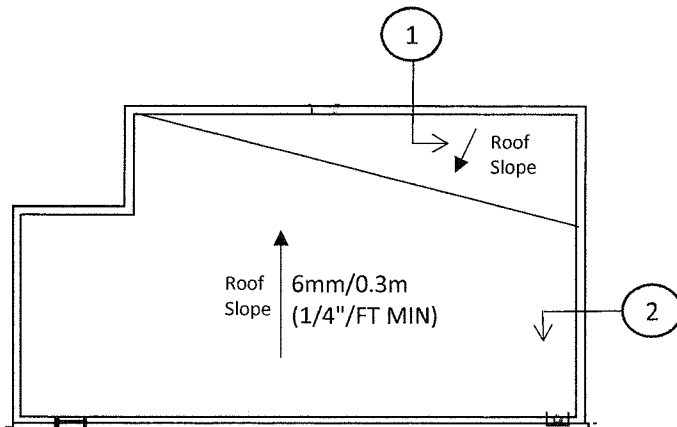
5. Looking at northwest end of Roof B (from Roof C).



6. Looking south from the northwest end of Roof B.

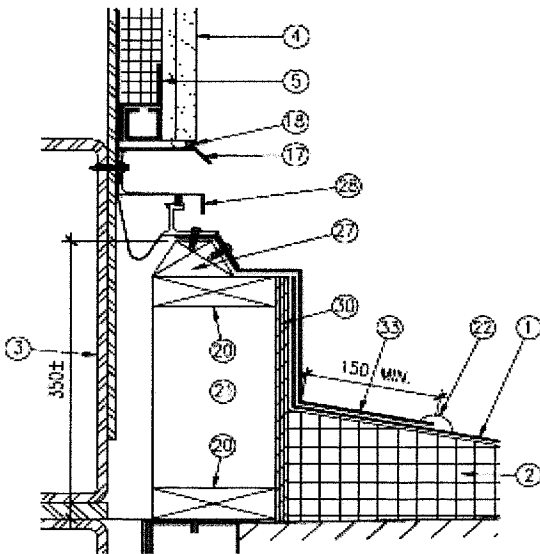


7. Looking east from the doorway @ the north end of Roof B.

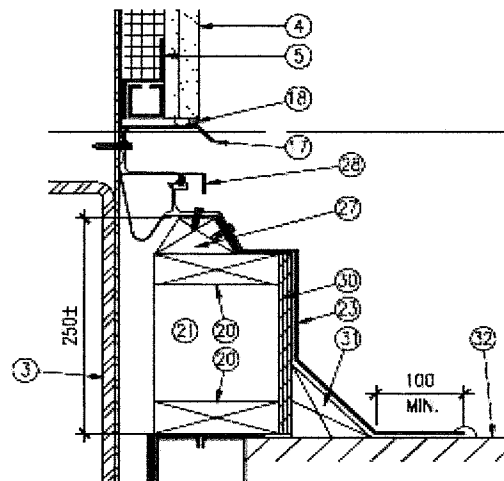
Roof B CROSS SECTIONS from as-built drawings:

PLAN
North

NOTE: All dimensions are approximate and must be verified in the field.



CROSS SECTION 1 (from as-built drawings)



CROSS SECTION 2 (from as-built drawings)

KEYNOTES for CROSS SECTIONS 1 and 2:

- 1 is TPO roofing
- 2 is tapered roofing insulation
- 3 is steel building framing
- 4 is Stucco Finish over cement board sheathing
- 5 is building framing and insulation
- 17 is continuous metal flashing
- 18 is continuous backing rod and sealant
- 20 is continuous 50 mm x 150 mm treated wood plate
- 21 is 50 mm x 150 mm treated wood studs 300 mm on center
- 22 is continuous roofing sealant
- 23 is continuous EPDM flashing membrane system
- 27 is continuous 5- mm thick double chamfered treated wood nailer
- 28 is continuous extruded aluminum expansion joint cover no. L-20-91-11 by Architectural Art Manufacturing Company or equal
- 30 is 15 mm treated plywood sheathing
- 31 is continous 100 mm x 100 mm treated wood cant
- 32 is EPDM membrane roofing system
- 33 is TPO membrane roofing flashing

Inventory: NOTE: Quantities and sizes must be verified in the field.

Gutter: 10 Linear FT

Material - Painted steel

Shape - Box 8 IN

Pipe rail wrapped with membrane: 12

Covered pitch pocket (abandoned): 1

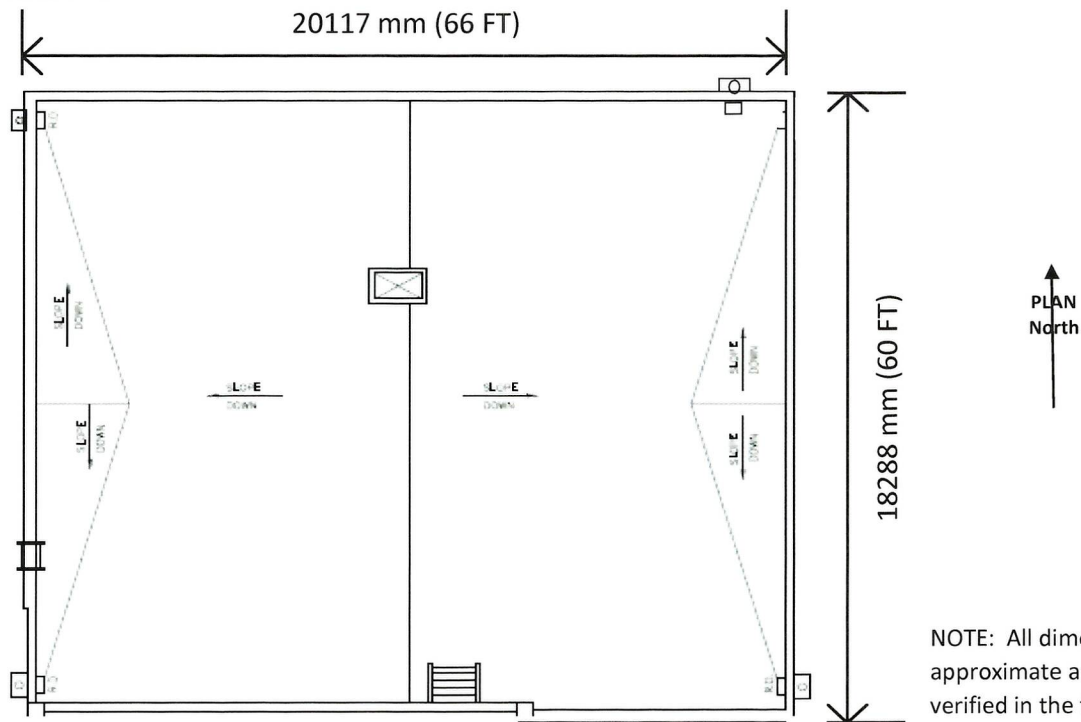
16 IN Square Curbs: 2

Supports, non penetrating: 26

Boot flashed conduit and pipes: 9

Qty/Size: 2/1 IN conduit; 6 /4 IN gooseneck; 1/3 IN gooseneck

Roof Scupper: 1 - 24 IN by 8 IN

Roof C Layout:

NOTE: All dimensions are approximate and must be verified in the field.

Existing roofing system: (approximately 3,960 SF)

Roof Type: Built up waterproofing

Layers:

- Stone and three course:
 - Large stone cover ("ballast")
 - Geotextile membrane ("filter fabric") over insulation
 - 3 course waterproofing membrane: Shell Flintkote/reinforcing fabric/Mariseal 400 PU

Insulation: 2 IN polyurethane

Deck Waterproofing: Shell Flintkote with cement paste

Deck: Concrete

Roof C Photo:

8. Looking east across Roof C from the north end.

Additional Roof C Photos:



9. Looking southwest to Roofs D & E (from C).



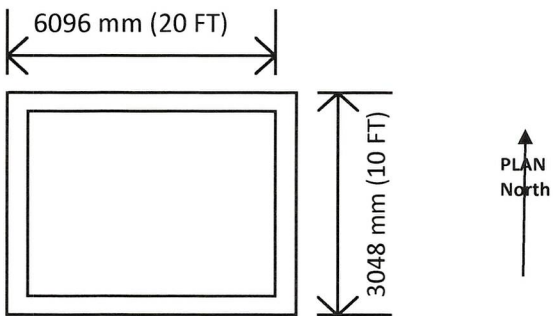
10. Looking west towards Roof B (from C).



11. Looking northwest towards Roof B (from C).



12. Looking north from Roof E @ southeast side of C.

Roof D Layout:**Existing roofing system:** (approximately 200 SF)

Roof Type: Built up Roofing - Original 1986

Layers: Stone and asphalt

- Stone cover

- Four ply built up membrane

Insulation: Unknown

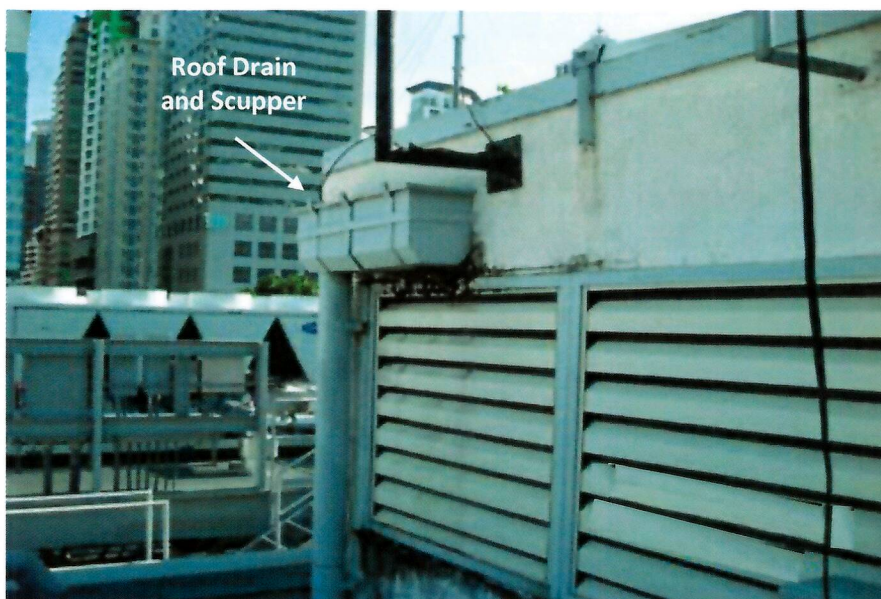
Deck: Concrete

Only penetration is a roof drain and scupper.

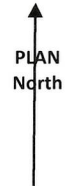
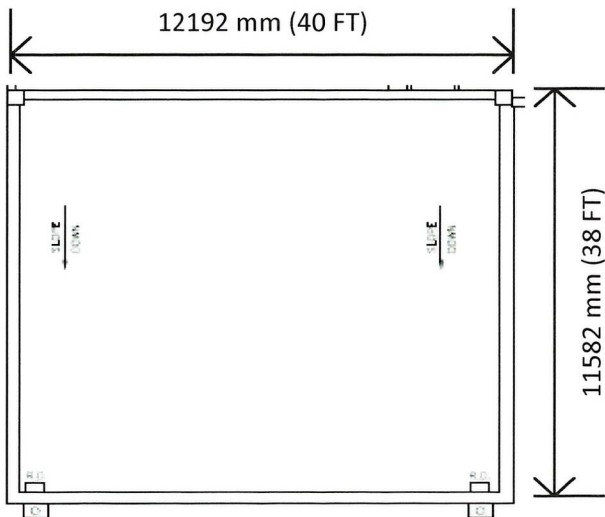
NOTE: All dimensions are approximate and must be verified in the field.

Roof D Photos:

13. Roof D from the northwest stairs on the east side of Roof E.



14. Roof drain and scupper at the northwest outside corner of Roof D.

Roof E Layout:

NOTE: All dimensions are approximate and must be verified in the field.

Existing roofing system: (approximately 1,520 SF)

Roof Type: Built up waterproofing

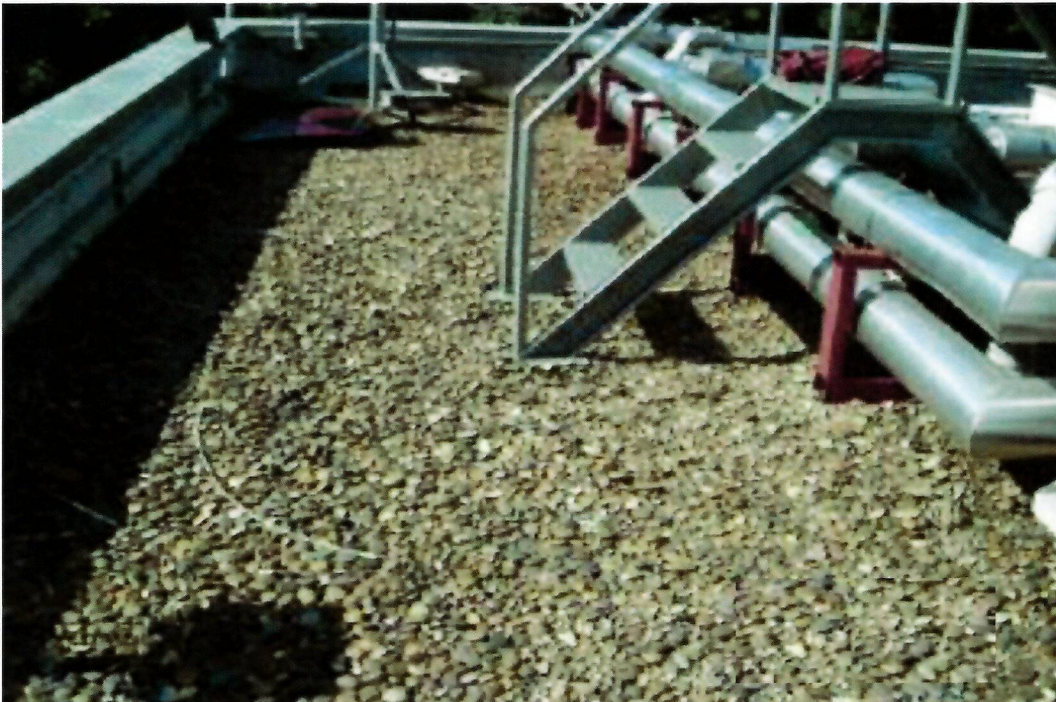
Layers:

- Stone and three course:
 - Large stone cover ("ballast")
 - Geotextile membrane ("filter fabric") over insulation
 - 3 course waterproofing membrane: Shell Flintkote/reinforcing fabric/Mariseal 400 PU

Insulation: 2 IN polyurethane

Deck Waterproofing: Shell Flintkote with cement paste

Deck: Concrete

Roof E Photo:

15. Looking south at the east side of Roof E.